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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 1

	Complete if Known			
Application Number	10/630,359			
Filing Date	July 30, 2003			
First Named Inventor	Kamal BOUARAB et al.			
Group Art Unit	Unassigned			
Examiner Name	Unassigned			
Attorney Docket Number	16721-0220 (42528/288278)			

		U.S. Patent	Document		Date of Publication of	Pages, Columns, Lines, Where
Examiner Initials	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear
8/	1.	5,338,673		Catherine THEPENIER et al.	08-16-1994	
					<u> </u>	

				FORE	IGN PATENT DOCUMEN	NTS 1		
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document  Kind Code <sup>3</sup> Office <sup>3</sup> Number <sup>4</sup> (if known)			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
AT	2.	EP	0 277 747	A2	Suntory Limited	08-10-1988		
f1	3.	wo	99/15688		Durand Chastel Hubert; Pham Quoc Kiet	04-01-1999		
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Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
th	4.	AHERN, TIM J., et al., "Arachidonic Acid Production by the Red Alga Porphyridium cruentum," Biotechnology and Bioengineering, Vol. XXV, pp. 1057-1070, 1983.	
17	5.	BOUARAB, KAMAL, et al., "The Chondrus crispus-Acrochaete operculata Host-Pathogen Association, a Novel Model in Glycobiology and Applied Phycopathology," Journal of Applied Phycology, 13: pp. 185-193, 2001.	
A1	6.	TASENDE, M.G., "Fatty Acid and Sterol Composition of Gametophytes and Sporophytes of <i>Chondrus crispus</i> (Gigartinaceae, Rhodophyta)," Scientia Marina, 64 (4), pp. 421-426, 2000.	

Examiner Signature Date 2 - 23 Considered	-05
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.